



Date: March 15, 2004

**MAIL STOP PATENT APPLICATION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): Hyun Jin HWANG, Jeong Hee KIM, and Kyunghoon JEONG.

For: METHOD AND APPARATUS FOR AMPLIFICATION OF NUCLEIC ACID SEQUENCES BY  
USING THERMAL CONVECTION

Enclosed are:

- ☒ A specification (22 pages), Claims (4 pages), and Abstract (1 page)
- ☒ Formal drawings (8 sheets, 7 figures)
- ☒ An assignment of the invention
- ☒ Applicant claims small entity status under 37 C.F.R. § 1.27
- ☐ Applicant does not claim priority
- ☒ Applicant claims the right of priority based on Application No(s). PCT/KR02/01728 filed on September 14, 2002. A copy is attached hereto.
- ☐ Amend the specification by inserting before the first line thereof the following:
  - a. ☐ --This nonprovisional application claims priority under 35 U.S.C. § 119(a) on Patent Application No. \_\_\_\_\_ filed in on \_\_\_\_\_.
  - b. ☐ --This nonprovisional application claims priority under 35 U.S.C. § 119(e) on U.S. Provisional Application No. \_\_\_\_\_ filed on \_\_\_\_\_, which is herein incorporated by reference.--



- ☒ Executed Declaration (☐ Original ☒ Photocopy)
- ☐ Application Data Sheet in accordance with 37 C.F.R. § 1.76
- ☐ Preliminary Amendment
- ☐ Information Disclosure Statement, PTO-1449 and reference(s)
- ☒ Other: Letter regarding submission of Sequence Listing, Sequence Listing (Paper Copy, CRF)
- ☐ Applicant requests early publication - \$300.00 publication fee
- ☐ Non-publication Request and Certification under 35 U.S.C. § 122(b)(2)(B)(i)

The filing fee has been calculated as shown below:

			LARGE ENTITY	SMALL ENTITY
	BASIC FEE		\$770.00	\$385.00
	NUMBER FILED	NUMBER EXTRA	RATE FEE	RATE FEE
TOTAL CLAIMS	16 - 20 =	0	X 18 = \$0.00	x 9 = \$0.00
INDEPENDENT CLAIMS	2 - 3 =	0	x 86 = \$0.00	x 43 = \$0.00
MULTIPLE DEPENDENT <input type="checkbox"/> CLAIMS PRESENTED			+ \$290.00	+ \$145.00
TOTAL			\$0.00	\$385.00

- ☒ A Credit Card Payment Form in the amount of \$425.00 to cover the filing fee and recording fee (if applicable) is enclosed.
- ☐ Please charge Deposit Account No. 502486 in the amount of \$0.00. A triplicate copy of this transmittal form is enclosed.



☒ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

☒ Please send correspondence to:

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If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 502486 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

Respectfully submitted,

JHK Law

By Joseph Hyosuk Kim  
Joseph Hyosuk Kim, Ph. D.  
Attorney for Applicants  
Reg. No. 41,425

Enclosures

CERTIFICATE OF MAILING  
(37 C.F.R. § 1.10)

I hereby certify that this Utility Patent Application (along with any papers attached hereto and referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as "Express Mail Post Office to Addressee" in an envelope addressed to: "Attention: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450".

ER 637223271 US  
Express Mail Label No.

March 15, 2004  
Date of Deposit

Harry Lee  
Name of Person Mailing Paper

  
Signature of Person Mailing Paper